



5/P.O. A  
7 steps to  
PTO/SB/82 (05-03)

Approved for use through 11/30/2005. OMB 0651-0035  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

6-11-2

<b>REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	Application Number	09/986,712
	Filing Date	November 9, 2001
	First Named Inventor	Schlagheck et al.
	Art Unit	2858
	Examiner Name	Yaritza Guadalupe
	Attorney Docket Number	014116-80.00US

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☒ Please change the correspondence address for the above-identified application to:

☒ Customer Number 20350



OR

<input checked="" type="checkbox"/> Firm or Individual Name					
Address					
Address					
City					
Country		State		ZIP	
Telephone		Fax			

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name	William K. Pratt, Ph.D., CTO		
Signature	<i>William K. Pratt</i>		
Date	May 28, 2003	Telephone	(408) 226-9900

RECEIVED  
JUN -6 2003  
TECHNOLOGY CENTER 2800

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	<b>Application Number</b>	09/986,712
	<b>Filing Date</b>	November 9, 2001
	<b>First Named Inventor</b>	Schlagheck et al.
	<b>Title</b>	Method And Apparatus For Detection of Defects Using Localized Heat Injection of Narrow Laser Pulses
	<b>Art Unit</b>	2858
	<b>Examiner Name</b>	Yaritza Guadalupe
	<b>Attorney Docket Number</b>	014116-80.00US

I hereby appoint:

☒ Practitioners at Customer Number 20350   
20350  
PATENT TRADEMARK OFFICE

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.  
**OR**  
☐ Practitioners at Customer Number   TECHNOLOGY CENTER 2800  
JUN -6 2003

<input type="checkbox"/> Firm or Individual Name				
Address				
Address				
City		State		ZIP
Country				
Telephone		Fax		

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).*

<b>SIGNATURE of Applicant or Assignee of Record</b>			
Name	William K. Pratt, Ph.D, CTO		
Signature			
Date	May 28, 2003	Telephone	(408) 226-9900
<small>NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.</small>			
<input checked="" type="checkbox"/> *Total of 1 Forms are submitted.			

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Schlagheck et al.

Application No./Patent No.: 09/986,712

Filed/Issue Date: November 9, 2001

Entitled: Method and Apparatus For Detection of Defects Using Localized Heat Injection of Narrow Laser Pulses

Photon Dynamics, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 28, 2003

Date

William K. Pratt, Ph.D

Typed or printed name

William K. Pratt

Signature

CTO

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

TECHNOLOGY CENTER 2800

JUN - 6 2003

RECEIVED



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 16, 2002

PTAS

OGIIVY RENAULT  
1981 MCGILL COLLEGE AVE.  
SUITE 1600  
MONTREAL, QUEBEC CANADA H3A 2Y3

**\*700014881A\***

\*700014881A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/15/2002

REEL/FRAME: 012884/0480

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

ART ADVANCED RESEARCH AND  
TECHNOLOGIES, INC.

DOC DATE: 07/12/2002

## ASSIGNOR:

ART RECHERCHES ET TECHNOLOGIES  
AVANCEE INC.

DOC DATE: 07/12/2002

## ASSIGNEE:

PHOTON DYNAMICS, INC.  
17 GREAT OAKS BOULEVARD  
SAN JOSE, CALIFORNIA 95119-2102

SERIAL NUMBER: 09648140  
PATENT NUMBER:

FILING DATE: 08/25/2000  
ISSUE DATE:

SERIAL NUMBER: 09624497  
PATENT NUMBER:

FILING DATE: 07/24/2000  
ISSUE DATE:

SERIAL NUMBER: 09986712  
PATENT NUMBER:

FILING DATE: 11/09/2001  
ISSUE DATE:

RECEIVED  
JUN -6 2003  
TECHNOLOGY CENTER 2800

012884/0480 PAGE 2

SERIAL NUMBER: 60373340  
PATENT NUMBER:

FILING DATE: 04/18/2002  
ISSUE DATE:

SERIAL NUMBER: 60373320  
PATENT NUMBER:

FILING DATE: 04/18/2002  
ISSUE DATE:

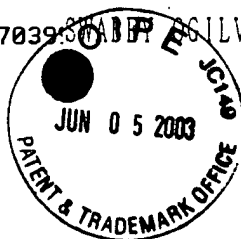
SERIAL NUMBER: 60378971  
PATENT NUMBER:

FILING DATE: 05/10/2002  
ISSUE DATE:

SERIAL NUMBER: 08790451  
PATENT NUMBER: 5808303

FILING DATE: 01/29/1997  
ISSUE DATE: 09/15/1998

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



-JUL 15, 2002 5:15PM

SWABEY OGILVY MTL 514 288 8389

NO. 1025 P. 2/8

REGISTRATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
Press PTO-1088 (Rev. 03/01) OMB No. 0881-0027 (exp. 5/31/2002) Tol 444-9999		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies) ART Advanced Research and Technologies Inc./ART Recherches et Technologies Avancées Inc.  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: Photon Dynamics, Inc.  Internal Address: 17 Great Oaks Boulevard San Jose, California, USA 95119-2102  Street Address: _____  City: _____ State: _____ Zip: _____  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: 07/12/02		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) 09/848,140 - 09/824,487 09/886,712 - 09/873,940 - 09/578,320 and 09/578,871 B. Patent No.(s) 5,808,303  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Ogilvy Renault Internal Address: 1981 McGill College Ave. Suite 1600, Montreal, Quebec, Canada H3A 2Y3  Street Address: _____  City: _____ State: _____ Zip: _____	6. Total number of applications and patents involved: <input checked="" type="checkbox"/> 7  7. Total fee (37 CFR 3.41).....\$ 280.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: 19-5113	
DO NOT USE THIS SPACE		
9. Signature.  James Anglehart, Reg. 38,786 Name of Person Signing  <div style="text-align: right;">               Signature              July 15, 2002              Date           </div>		
Total number of pages including cover sheet, attachments, and documents: 5 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box 500 Washington, D.C. 20541		

 RECEIVED  
 JUN -6 2003  
 TECHNOLOGY CENTER 2800

700014881

 PATENT  
 REEL: 012884 FRAME: 0480

JUL 15 2002 5:15PM

SWABEY OGILVY MTL 514 288 8389

NO. 1025 P. 3/6

**WHOLE ASSIGNMENT OF INVENTION  
UNIVERSAL - NON-INVENTOR  
Page 1 of 2**

WHEREAS, the undersigned, ART Advanced Research Technologies Inc. / ART Recherches et Technologies Avancées Inc.

whose full post office address is 2300 boul. Alfred-Nobel, Saint-Laurent, Quebec, Canada H4S 2A4

is the owner of all right, title and interest to certain improvements in the titles listed in the attached table having 2 pages  
and described in

- ☐ a patent application bearing the same title
- ☐ a US patent application executed on \_\_\_\_\_
- ☐ \_\_\_\_\_ patent application serial number \_\_\_\_\_ filed on \_\_\_\_\_
- ☒ USA patent number 5,808,303 granted on September 15, 1998
- ☒ multiple patent applications as listed in the attached table

and WHEREAS, Photon Dynamics Inc.  
of 17 Great Oaks Boulevard, San Jose, California, USA 95119-2102

(hereinafter referred to as the assignee), is desirous of securing the entire legal right, title and interest in and to said invention or inventions and in and to any and all patents obtained or to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, the undersigned does hereby confirm that

- ☐ by these presents, the undersigned hereby does sell, assign and transfer
  - ☐ effective the date of the invention of the said invention or inventions, the undersigned did sell, assign and transfer, by virtue of a research and development agreement or other form of contract or agreement entered into with said assignee prior to making the said invention or inventions,
  - ☒ effective July 12, 2002, the undersigned sold, assigned and transferred
- unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application or patent, in any form or embodiment thereof, and in and to the aforesaid application or patent; and in and to any patents or applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, releases or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, continuation-in-part, nonprovisional, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and the undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said assignee.

I/We further agree without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference, litigation or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon my/our heirs, legal representatives, administrators and assigns.

Le(s) soussigné(s) désire(nt) que la présente cession soit en anglais. The undersigned request(s) that the present assignment be in English.

**PATENT  
REEL: 012884 FRAME: 0481**

JUL. 15. 2002 5:16PM

SWABEY OGILVY MTL 514 288 8389

NO. 1025 P. 4/6

ASSIGNMENT OF INVENTION  
UNIVERSAL NON-INVENTOR

- page 2 -

SIGNED AT Saint Laurent  
this 1<sup>st</sup> day of July of the year 2002

Name of signing officer (if applicable): Nadia Martel

Title of signing officer (if applicable): Vice President and General Counsel

Signature: Nadia Martel

Name of signing officer (if applicable): Sébastien Gignac

Title of signing officer (if applicable): Vice President, Corporate Affairs and Secretary

Signature: Sébastien Gignac

Declaration of Witness

I, Yves Nink hereby declare that I was personally present and did see  
Nadia Martel and Sébastien Gignac, who is personally known to me, duly sign and execute the foregoing  
assignment.

Nink  
Signature of Witness: Nicole Meloche



JUL. 15. 2002 5:16PM SWABBY OGILVY MTL 514 288 8389

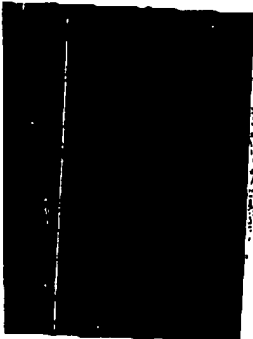
NO. 1025 P. 5/6

**ART ADVANCED RESEARCH TECHNOLOGIES INC.**  
**Patent Portfolio**  
**Industrial Systems**

Country	Title	Application No. / Filing date	Patent No. / Issue Date	Inventors
Canada	"Infrared screening and inspection system"	2,282,853 / January 29, 1998 claiming priority date of January 29, 1997		Jerry Schlegelbeck Pierre Beaudry
China	"Infrared screening and inspection system"	9802165.X / January 29, 1998 claiming priority date of January 29, 1997		Jerry Schlegelbeck Pierre Beaudry
Europe	"Infrared screening and inspection system"	98091287.7 / January 29, 1998 claiming priority date of January 29, 1997		Jerry Schlegelbeck Pierre Beaudry
Hong-Kong	"Infrared screening and inspection system"	00104403.0 / January 29, 1998		Jerry Schlegelbeck Pierre Beaudry
Japan	"Infrared screening and inspection system"	10-532403 / January 29, 1998 claiming priority date of January 29, 1997		Jerry Schlegelbeck Pierre Beaudry
International (of designated states as of January 29, 1998)	"Infrared screening and inspection system"	PCT/CA98/00850 / January 29, 1998 claiming priority date of January 29, 1997		Jerry Schlegelbeck Pierre Beaudry
Singapore	"Infrared screening and inspection system"	9803523-0 / January 29, 1998 claiming priority date of January 29, 1997		Jerry Schlegelbeck Pierre Beaudry
United States	"Infrared screening and inspection system"	08790,451 / January 29, 1997	6,800,300 / September 15, 1999	Jerry Schlegelbeck Pierre Beaudry
United States	"Detection of defects by thermographic analysis" (BQ4)	09560,140 / August 25, 2000		Jerry Schlegelbeck Marc Pothier

Page 1

**PATENT**  
**REEL: 012884 FRAME: 0483**



JUL. 15. 2002 5:16PM

SWABEY OGILVY MTL 514 288 8389

NO. 1025 P. 6/6

ART ADVANCED RESEARCH TECHNOLOGIES INC.  
Patent Portfolio  
Industrial Systems

Country	Title	Application No. / Filing date	Patent No. / Issue Date	Inventors
Canada	"Housing for an infrared inspection system"	2,326,553 / November 23, 2000, claiming priority date of July 24, 2000		Jerry Schlegel Marc Poirier
United States	"Housing for an infrared inspection system"	08/628,487 / July 24, 2000		Jerry Schlegel Marc Poirier
United States	"Method and apparatus for detection of defects using localized heat injection of narrow laser pulses"	09/066,712 / November 8, 2001		Jerry Schlegel Marc Poirier
International	"Detection for defects by stereographic" ("BGA")	PCT/CA01/01555 / December 11, 2000		Jerry Schlegel Marc Poirier
United States	"Reinforced infrared printed circuit board failure diagnostic system"	60/373,940 / April 18, 2002		Jean-Francois Delorme Salim Djeddi
United States	"Individual inspection using combination of functional and structural imaging"	60/373,320 / April 18, 2002		Joseph Bourbido George Saeid Jerry Schlegel
United States	"Methods and apparatus for detection of defects using localized thermal stimulus"	60/378,971 / May 10, 2002		Salim Djeddi

RECORDED: 07/15/2002

PATENT  
REEL: 012884 FRAME: 0484